

10019603-1

Amendment **RECEIVED**
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This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A generalized color calibration architecture comprising:
 - a first interface to receive raw measuring data of a sample from a measuring tool, the data having a color data type, the sample having one or more color targets on which basis color calibration of a device is to be performed, each color target having an arrangement of one or more color patches;
 - a second interface to receive a color calibration approach input by a user as a desired one of a number of different color calibration approaches, the color data type, one or more target identifiers specifying the one or more color targets, and a color patch order for each target identifier specifying the arrangement of the one or more color patches of a corresponding one of the one or more color targets; and,
 - a color calibration manager to perform the calibration based on the raw measuring data, the color data type, the one or more target identifiers, and the color patch order for each target identifier, according to the color calibration approach, the calibration one of yielding and updating one or more color conversion tables for subsequent use with the device[.]; and
 - a color calibration algorithm library having one or more color calibration algorithms for calling by the color calibration manager to one of generate and update the one or more color conversion tables, the one or more calibration algorithms comprising a linearization color calibration algorithm and a neutral-axis color calibration algorithm.

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2. (Original) The architecture of claim 1, further comprising a data converter to convert the raw measuring data, the color data type, the one or more target identifiers, and the color patch order for each target identifier to formatted data for input to the color calibration manager.
3. (Canceled).
4. (Canceled).
5. (Original) The architecture of claim 1, wherein the measuring tool comprises one of: an embedded device sensor, a densitometer, a colorimeter, and a spectrophotometer.
6. (Original) The architecture of claim 1, wherein the second interface comprises a user interface.
7. (Original) The architecture of claim 6, wherein the user interface comprises a graphical user interface.
8. (Original) The architecture of claim 1, wherein the color data type comprises one of: a luminance data type, a CIEXYZ data type, a CIELAB data type, and a spectrum data type.

9 – 20. (Canceled).